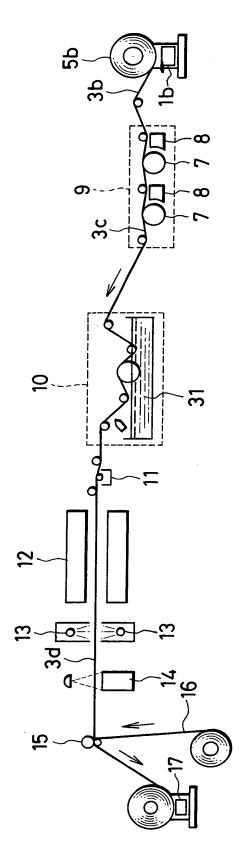


ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 5202-293-7060
2 of 18



ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001 '
Darryl Mexic' 202-293-7060
3 of 18

FIG. 3A

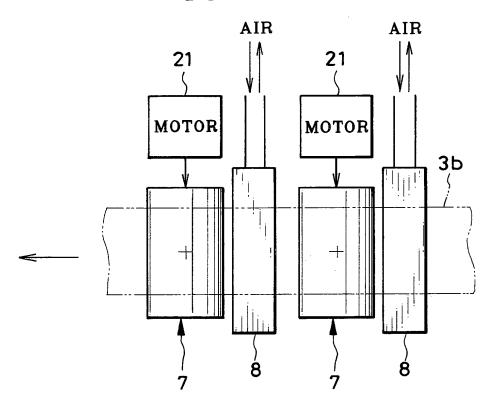
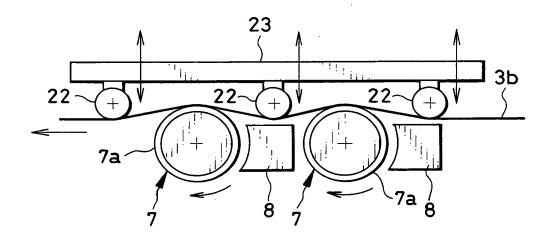
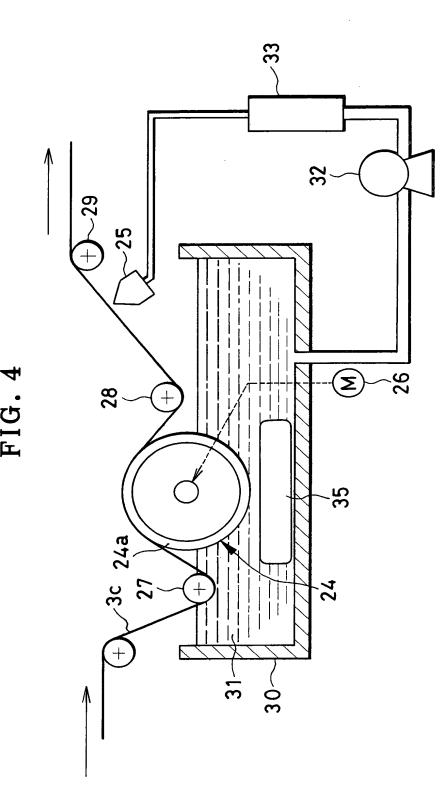


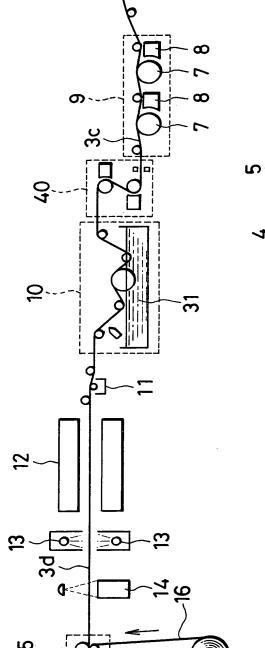
FIG. 3B



ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING METHOD AND APPARATUS, THERMAL TREATING METHOD AND

Filed: May 9, 2001 Darryl Mexic 202-293-7060 4 of 18

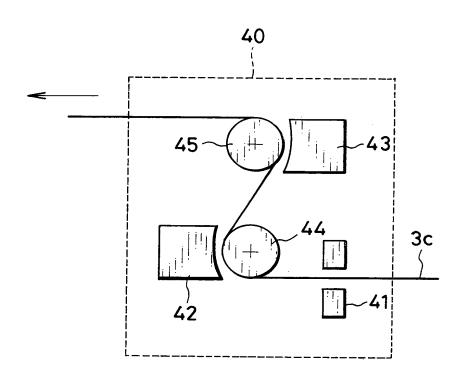




The table the same of the same He had had been and that

ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCI
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 202-293-7060
6 of 18

FIG. 6



[]

ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING METHOD AND APPARATUS, THERMAL TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 202-293-7060
7 of 18

FIG. 7

ANIONIC POLYMER

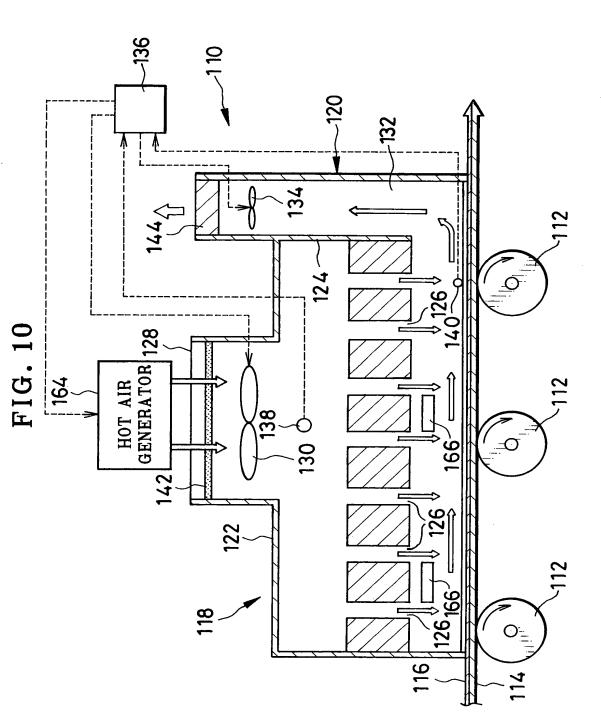
FIG. 8

ALKYL MODIFIED PVA

FIG. 9

DISCOTIC LIQUID CRYSTAL COMPOUND
$$R = -0-CO - 0-(CH_2)_6-O-CO-CH=CH_2$$

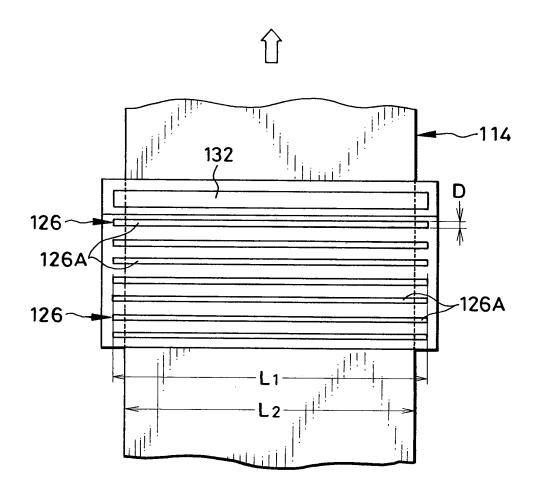
ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PP
METHOD AND APPARATUS, THERM
TREATING METHOD AND
Filed: May 9,,2001
Darryl Mexic 202-293-7060
8 of 18 CING



b. Ind Cal test and the second test and the second test and the second test and the second test and the second

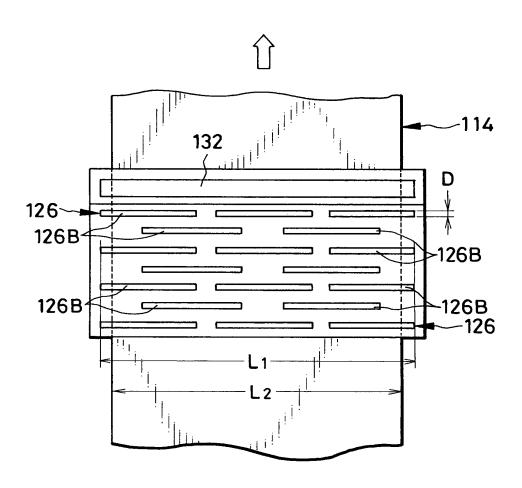
ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUC
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND :...
Filed: May 9, 2001
Darryl Mexic 202-293-7060
9 of 18

FIG. 11



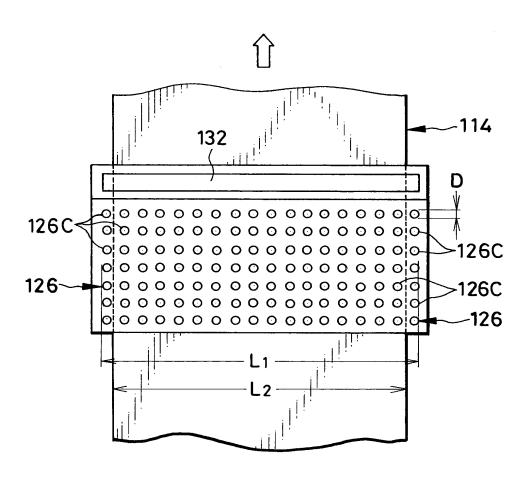
ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCTION
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 202-293-7060
10 of 18

FIG. 12



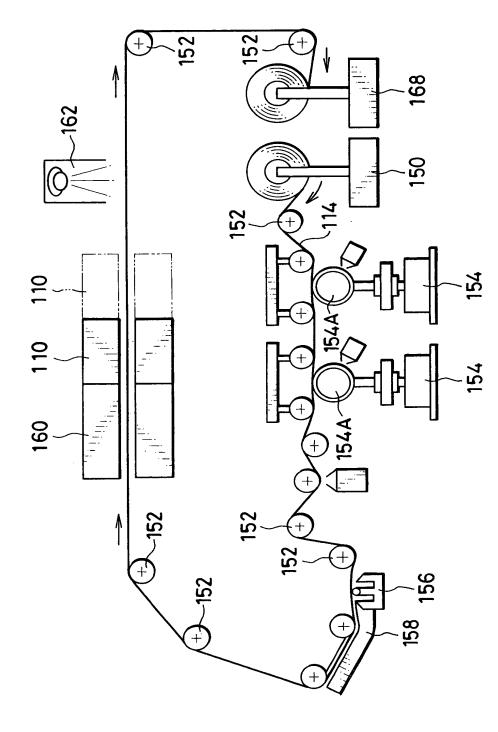
ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001 .
Darryl Mexic 202-293-7060
11 of 18

FIG. 13

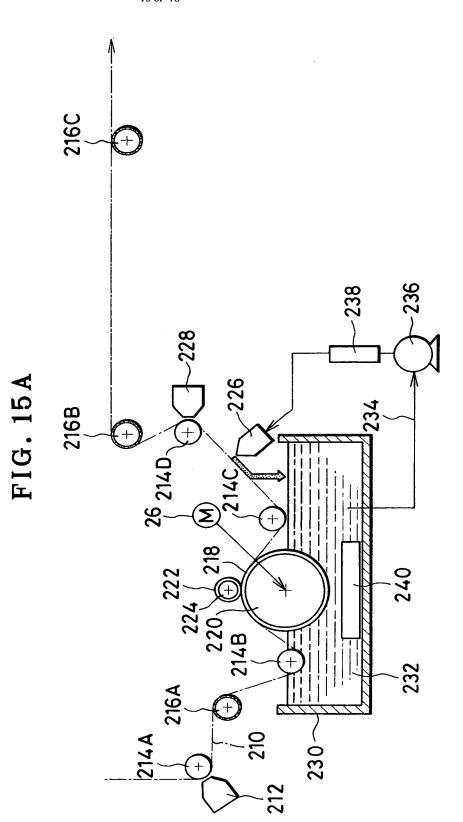


ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 202-293-7060
12 of 18

FIG. 14



ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCTION
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 202-293-7060
13 of 18



ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING METHOD AND APPARATUS, THERMAL TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic ' 202-293-7060
14 of 18

FIG. 15B

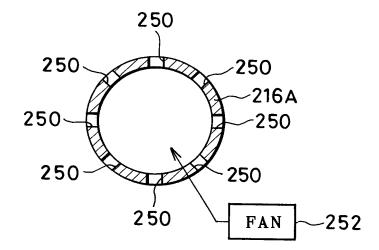


FIG. 15C

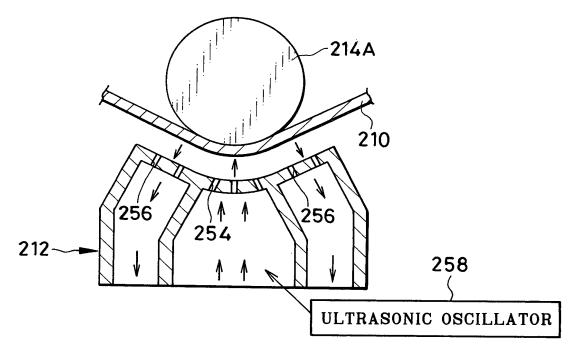
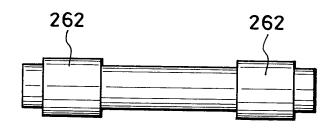
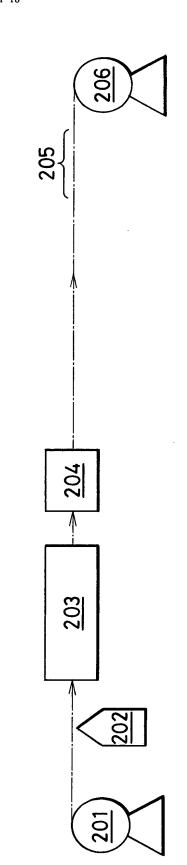


FIG. 15D



ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUCING
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 202-293-7060
15 of 18



He that he was the first that the Ţ 1 6.1 6.4 6.4 6.4 6.1 1.0

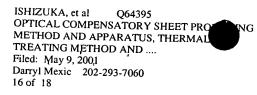


FIG. 17A

		T		
		Comp. Ex. 6	Comp. Ex. 7	
Dry Removal of Dust		None	None	
Wet Removal of Dust	Polishing	Wire Bar	Rubber Roll	
	Circulating Flow (liter/min)	None	30	
	Ultrasonic Waves	None	On	
	Pressure (N/m)	None	None	
Drying With Blow		None	None	
Non-contact Feeding		None	None	
3µm Particles (Per m)	50 m	203	42	
	3,000 m	259	56	
10µm Particles (Per m)	50 m	69	16	
	3,000 m	81	20	
Scratches		Numerous	Locally Existed	



ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODUMETHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Darryl Mexic 202-293-7060
17 of 18

FIG. 17B

	· · · · · · · · · · · · · · · · · · ·	1	T		
		Comp. Ex. 8a	Comp.	Sample	Sample
			Ex. 8b	5a	5b
Dry Removal of		Existed	Existed	Existed	Existed
Dust					
Wet	Polish-	Rubber	Rubber	Rubber	Rubber
Removal of Dust	ing	Roll	Roll	Roll	Roll
	Circu-	30	30	30	30
	lating		<u> </u>		1
	Flow		ļ	İ	
	(liter/				
	min)				
	Ultra-	On	On	On	On
	sonic				
	Waves				
	Pressure	None	None	9.8	19.6
	(N/m)				j .
Drying With Blow		None	Existed	Existed	Existed
Non-contact		None	Existed	Existed	Existed
Feeding					
3µт	50 m	25	22	5	1
Parti-					
cles	3,000 m	29	26	7	1
(Per m)					
10µm	50 m	6	2	1	1
Parti-					
cles	3,000 m	7	1	1	0
(Per m)					
Scratches		Locally	None	None	None
		Existed			

ISHIZUKA, et al Q64395
OPTICAL COMPENSATORY SHEET PRODU
METHOD AND APPARATUS, THERMAL
TREATING METHOD AND
Filed: May 9, 2001
Parryl Mexic 202-293-7060
18 of 18

